

# New York State Department of Transportation

## Yellow Flag NB2358W001

By: Alex Abreu

Flag Date: April 04, 2023

Superseding Information:

No Flags Superseded

### Structure Information

*BIN:* 1065318

*Feature Carried:* 278I278IX2M23027

*Feature Crossed:* 6TH AVENUE

*Orientation:* 8 - NORTHWEST

*Region:* 11 - NEW YORK CITY

*County:* KINGS

*Political Unit:* City of NEW YORK

*Approximate Year Built:* 1962

*Posted Load Matches Inventory :* Yes

*Bridge Load Posting (Tons) :* Not Posted for Load

*Primary Owner:* New York State Department of Transportation

*Primary Maintenance Responsibility:* 12 - State - Subcontracted to another Party

*Typical or Main Span Type:* 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

*Number of Spans:* 322

### Verbal Notification Information

*Person Notified:* Heinz Joachim, P.E.

*Date:* April 05, 2023 12:40:00 PM

*Of:* NYSDOT Region 11

### Signature Information

*Signature:* Alex Abreu, P.E. 099761-1

*Date:* April 10, 2023

*Reviewed By:* Robert Kemp

*Date:* April 11, 2023

*Attachments:* 7

### Flagged Elements

Parent Element	Element	Total Quantity	Unit
<b>Span Number : 96</b>			
	113 - Steel Stringer	104	ft
	PR831 - Steel Beam End	34	each

### Flagged Condition Description

This Yellow Flag No. NB2358W001 is NEW.

Location: Span 96, Stringer S2 at Pier 96 above the center lane of 3rd Avenue EB roadway between 52nd and 53rd street.

Description:

The end of Stringer S2 in Span 96 at Pier 96 exhibits a full height vertical thru crack at both connection angles in the leg of the angle along the pier (Photos 4 and 5). In addition, the right connection angle exhibits three corrosion holes in the leg of the angle along the pier for 2"H x 1/2"W, 1"H x 1/2"W, and 4"H x 1/2"W. The stringer end has previously installed steel reinforcement plates and angles which are in good condition (Photos 6 and 7).

This is a newly flagged condition.

Notes:

1. Adjacent Girder G15 exhibits 20% overall section loss for the full height of the web for 3" wide along the connection angle. Also, the curb plate above Stringer S2 near Pier 96 exhibits 7"L x 1"W corrosion hole.
2. A double lane closure in the left and center lanes on EB main roadway and 30ft bucket truck are required to access this location.
3. The previous 2021 Biennial Report documented the above girder location as CS3 with the following Condition State note:  
Stringer S2 is in fair condition.

**Flag Photographs**

Photo Number: 1

Photo Filename: 23\_Flag Location Plan.jpg

Gowanus Expressway  
2023 Biennial Inspection - Field Sketch

BIN: 1065318

Team: AA/TS

Date: 04/04/2023

Span: 96

Location: Stringer S2 at Pier 96

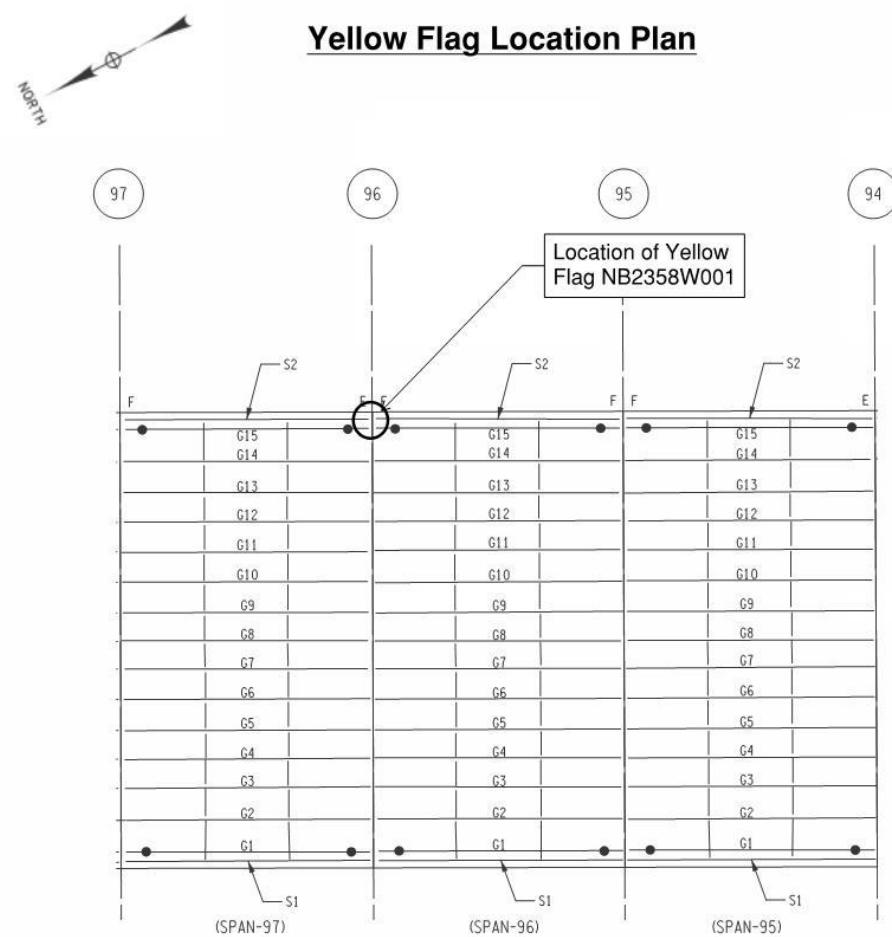
**Yellow Flag Location Plan****WSP****Attachment Description: Yellow Flag Location Plan**

Photo Number: 2

Photo Filename: 23\_Span 96\_Pier 96\_Stringer S2\_Connection Detail.

Gowanus Expressway  
2023 Biennial Inspection - Field Sketch

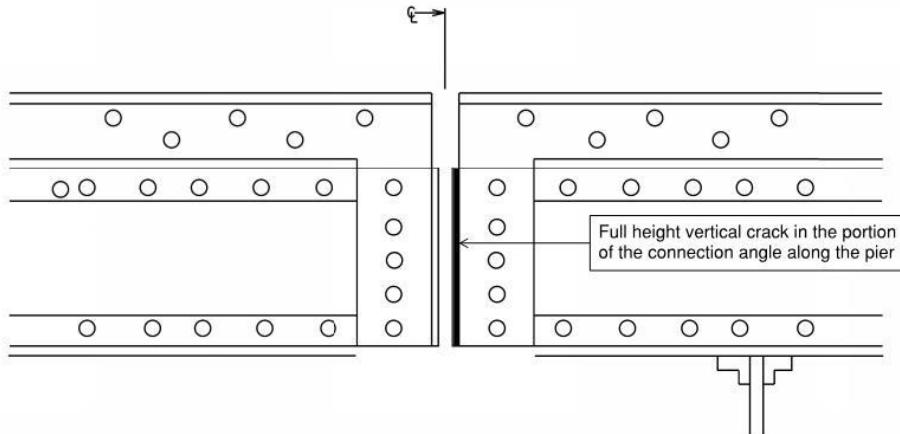
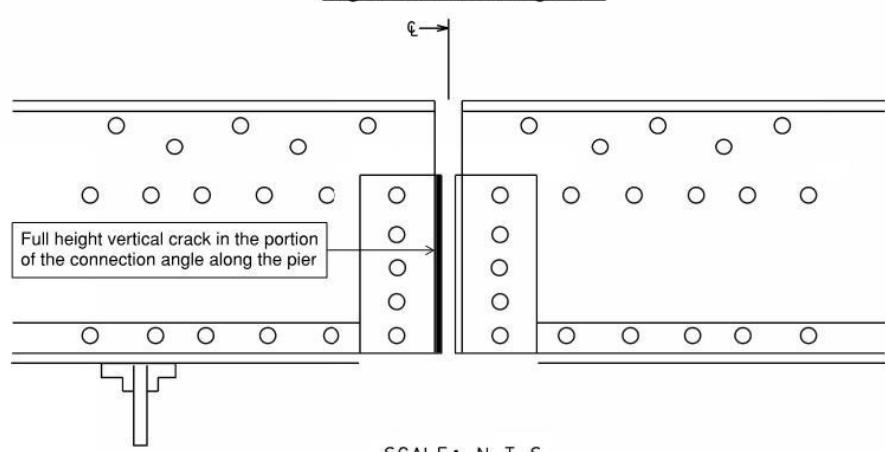
BIN: 1065318

Team: AA/TS

Date: 04/04/2023

Span: 96

Location: Stringer S2 at Pier 96

**Left Face of Stringer S2****Right Face of Stringer S2**

SCALE: N.T.S

SPAN 96

@ PIER 96

S\_2

## Notes:

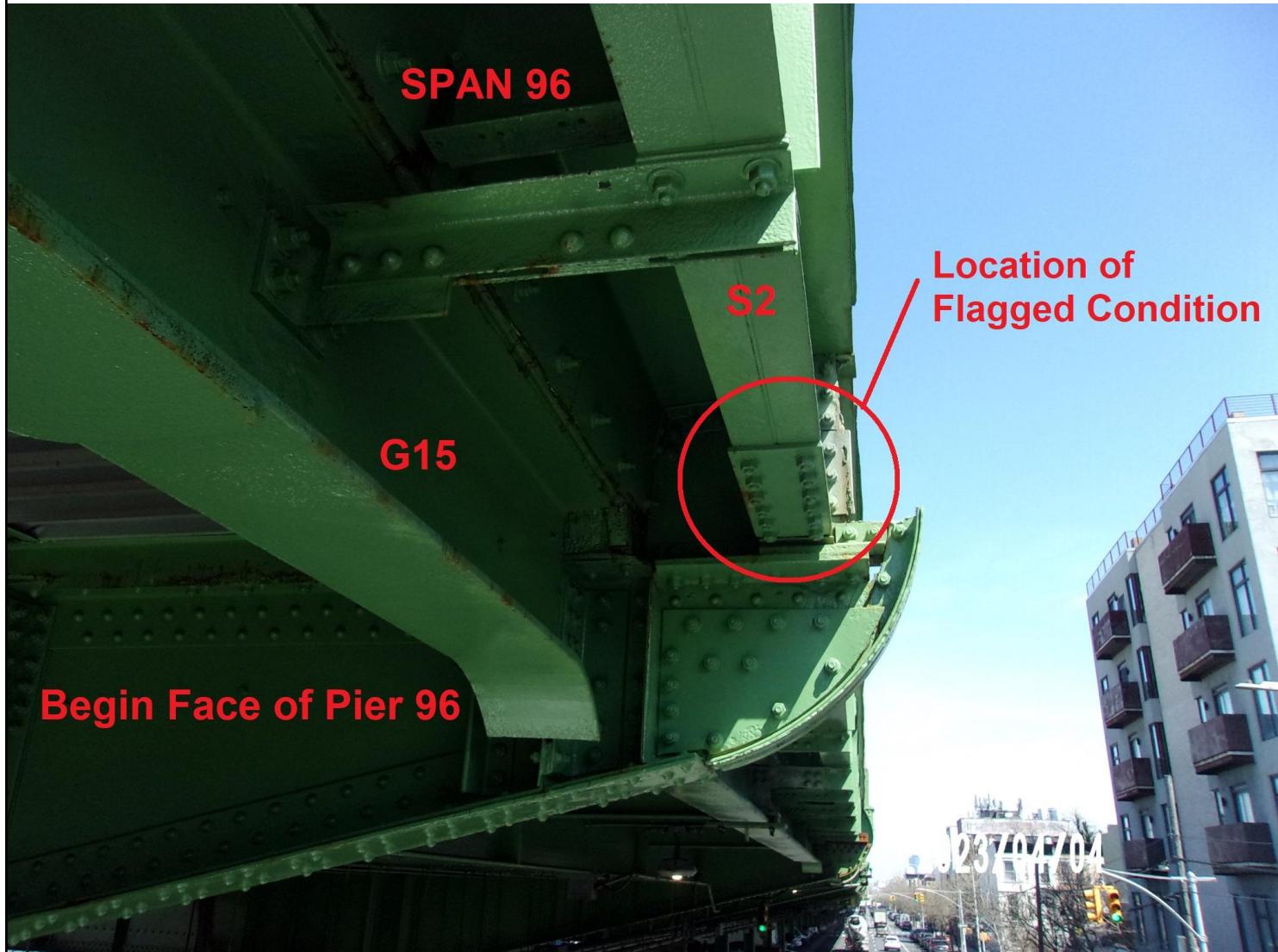
-The portion of the right connection angle along the pier exhibits three corrosion holes for 2"H x 1/2"W, 1"H x 1/2"W, and 4"H x 1/2"W.

WSP

**Attachment Description: Yellow Flag Condition Sketch**

Photo Number: 3

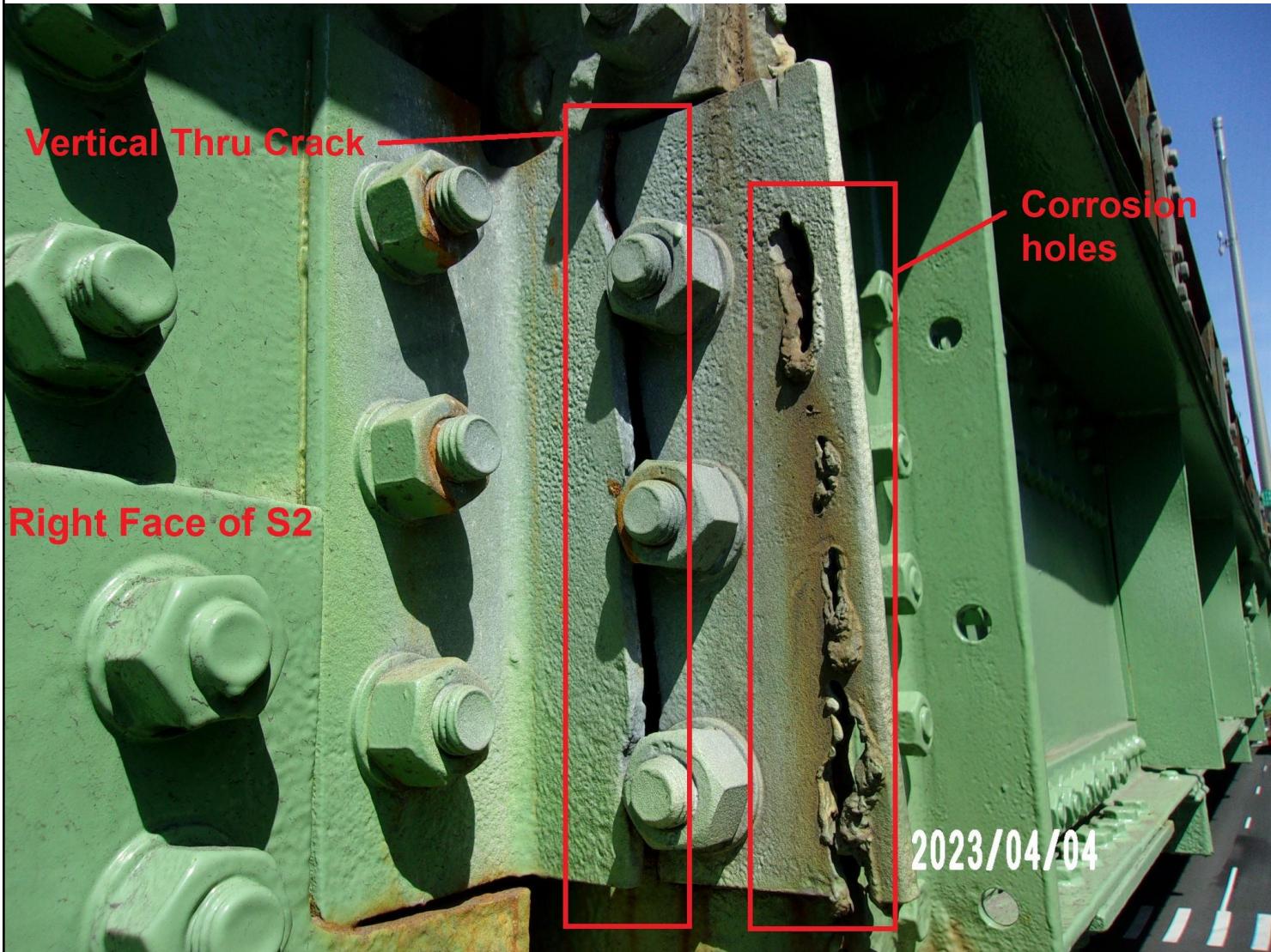
Photo Filename: 23\_113\_5790.JPG



**Attachment Description:** General view of the flagged condition at Stringer S2 in Span 96 at Pier 96. Looking End.

Photo Number: 4

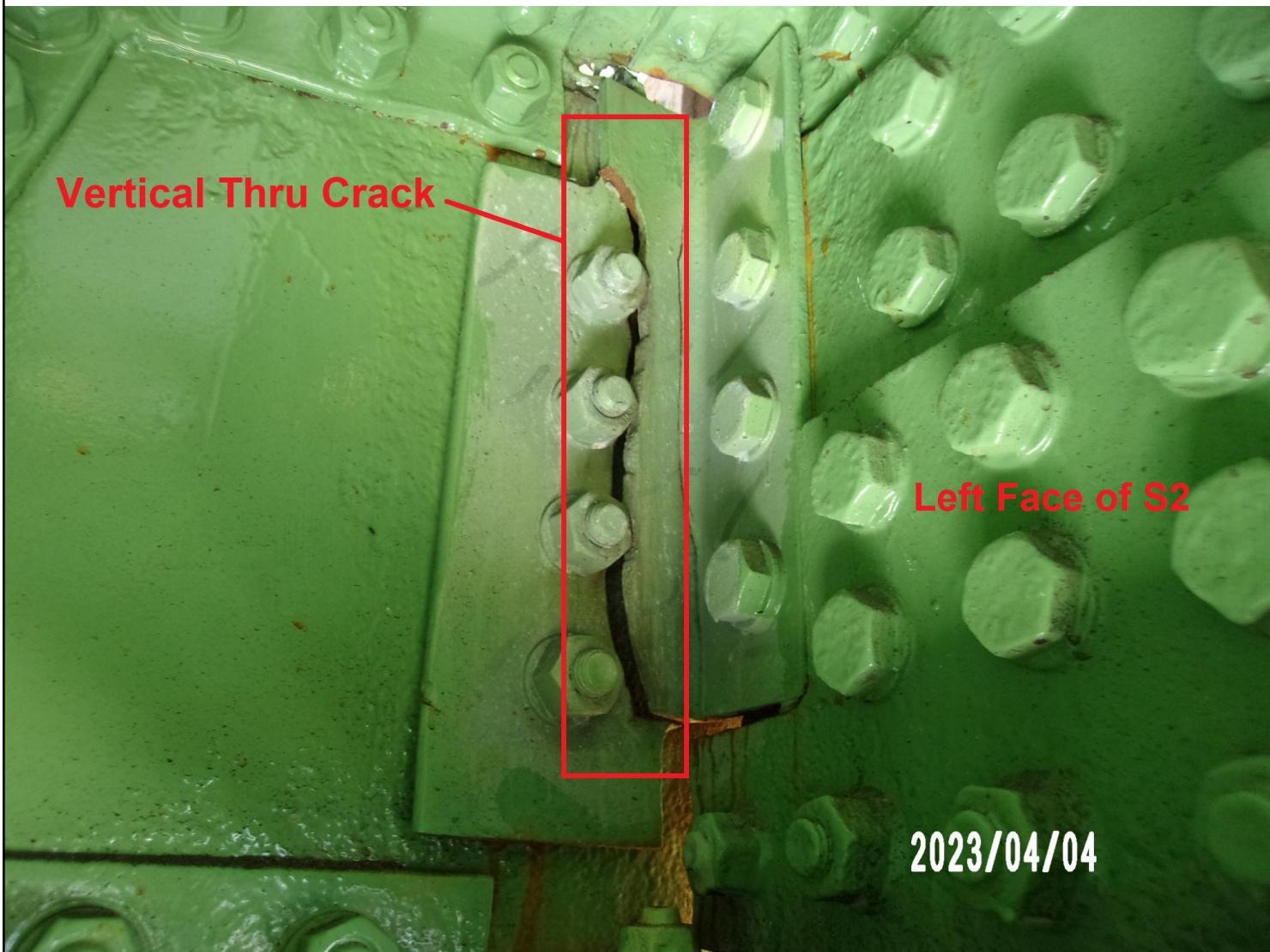
Photo Filename: 23\_113\_5787.JPG



**Attachment Description:** The right face of Stringer S2 in Span 96 at Pier 96. The connection angle exhibits a full height vertical crack in leg of the connection angle along the pier with three corrosion holes. Looking End and Left.

Photo Number: 5

Photo Filename: 23\_113\_5788.JPG



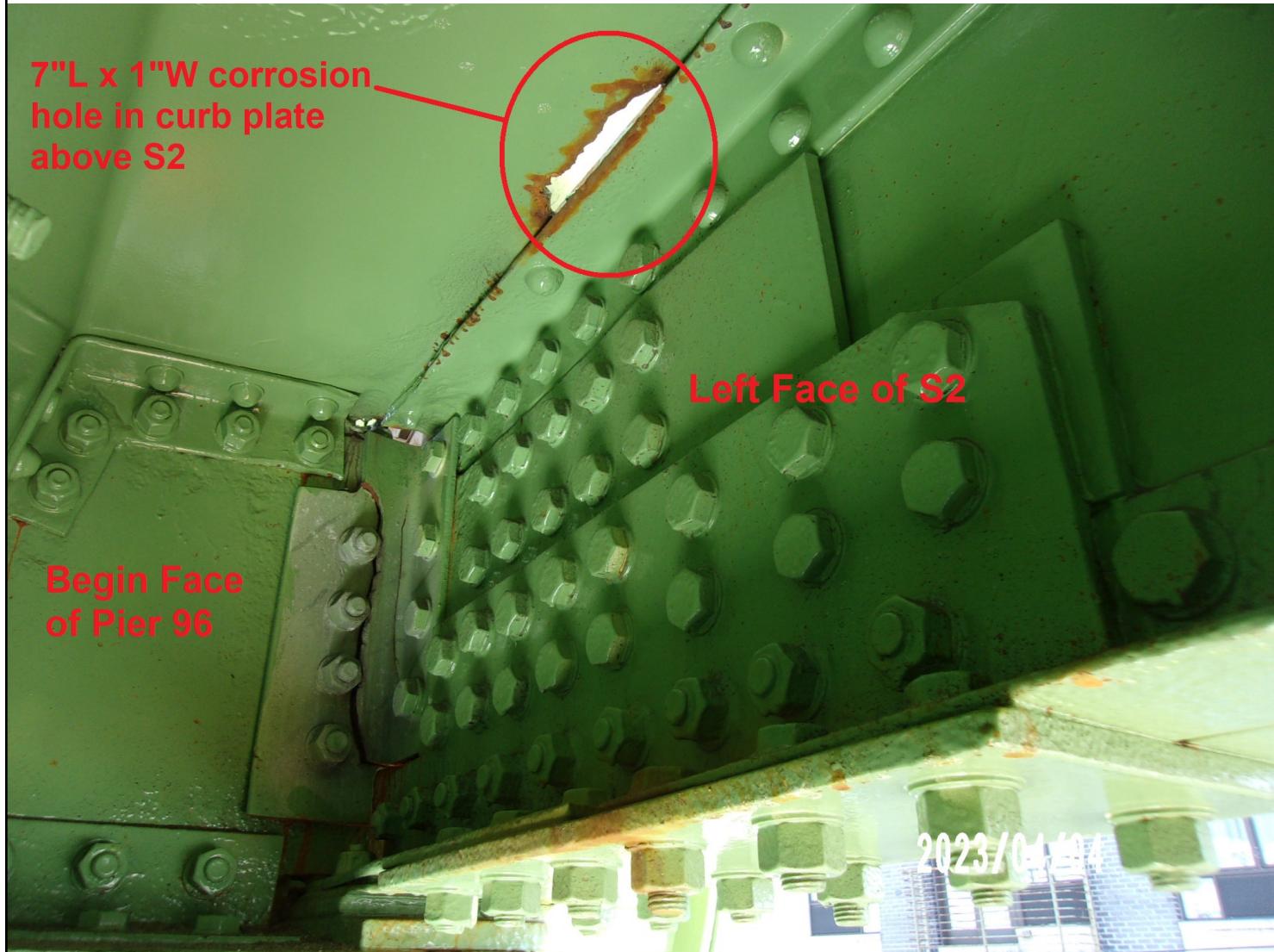
**Attachment Description:** The left face of Stringer S2 in Span 96 at Pier 96. The connection angle exhibits a full height vertical crack in the leg of the connection angle along the pier. Looking End and Right.

Photo Number: **6**Photo Filename: **23\_113\_5784.JPG**

**Attachment Description:** The right face of Stringer S2 in Span 96 at Pier 96. The stringer end has previously installed steel reinforcement plates and angles which are in good condition. Looking Left.

Photo Number: 7

Photo Filename: 23\_113\_5789.JPG



**Attachment Description:** The left face of Stringer S2 in Span 96 at Pier 96. The stringer end has previously installed steel reinforcement plates and angles which are in good condition. Also, the curb plate above Stringer S2 exhibits 7''L x 1''W corrosion hole. Looking End and Right.